

Title (en)
POLY(2,5-THIOPHENEDIYL)-ARSENIC PENTAFLUORIDE COMPLEXES

Publication
EP 0065251 B1 19841205 (DE)

Application
EP 82104032 A 19820510

Priority
DE 3119593 A 19810516

Abstract (en)
[origin: US4490509A] Reaction products of poly-(2,5-thiophendiyI) and arsenic pentafluoride. The black complexes are insoluble solids. Due to their high electric conductivity they can be used as conductors of electric currents. Suitable applications are, e.g., sheet-form conductors for heating systems or electrodes for electrical batteries.

IPC 1-7
H01B 1/12; C08G 61/12

IPC 8 full level
C07F 9/80 (2006.01); **C08G 61/12** (2006.01); **H01B 1/12** (2006.01)

CPC (source: EP US)
C08G 61/126 (2013.01 - EP US); **H01B 1/127** (2013.01 - EP US)

Citation (examination)
• JOURNAL OF POLYMER SCIENCE, Band 18, Nr. 1, Januar 1980, Seiten 9-12, John Wiley & Sons, Inc., New York, USA "Preparation of thermostable and electric-conducting poly (2,5-thienylene)"
• DIE MAKROMOLEKULARE CHEMIE - RAPID COMMUNICATIONS, Band 2, 1981, Seiten 551-555, Heidelberg, DE. G. KOSSMEHL et al.: "Electrical conductivity of poly (2,5-thiophenediyI)-AsF5-complexes"

Cited by
EP0203438A1

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0065251 A1 19821124; EP 0065251 B1 19841205; DE 3119593 A1 19821202; DE 3261436 D1 19850117; JP S57193493 A 19821127; US 4490509 A 19841225

DOCDB simple family (application)
EP 82104032 A 19820510; DE 3119593 A 19810516; DE 3261436 T 19820510; JP 7850082 A 19820512; US 39616282 A 19820708